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TITLE: VEHICLE COLLISION  
DISCRIMINATION DEVICE

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## ABSTRACT:

**PURPOSE:** To provide a collision discrimination device with a simple configuration which can surely discriminate an irregular collision from a head-on collision at a low speed.

**CONSTITUTION:** The acceleration and speed of a vehicle are read into a microcomputer 15 via low-pass filters 13 and 14 detected by an acceleration sensor 11 and a speed sensor 12. When time between first and second thresholds where an acceleration is determined according to the speed by a microcomputer is equal to or more than a reference time, it is judged that an irregular collision occurred. In the case of the regular collision at a low speed, the peak of the acceleration becomes high but the time between the two thresholds is short, thus discriminating the irregular collision from the head-on collision at a low speed.

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